

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 03/105589 A1

(51) International Patent Classification⁷: **A01N 41/10**,
41/04, 35/06, 25/04, 25/00

Jealott's Hill International Research Centre, Bracknell,
Berkshire RG42 6EY (GB).

(21) International Application Number: PCT/GB03/02428

(74) Agents: **SWIFT, Jane, Elizabeth** et al.; Intellectual
Property Department, Syngenta Limited, P.O. Box 3538,
Jealott's Hill Research Centre, Bracknell RG42 6YA (GB).

(22) International Filing Date: 4 June 2003 (04.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0213638.0 13 June 2002 (13.06.2002) GB

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **SYN-
GENTA LIMITED** [GB/GB]; European Regional Centre,
Priestley Road, Surrey Research Park, Guildford, Surrey
GU2 7YH (GB).

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **PIPER, Catherine,**
Julia [GB/GB]; Syngenta Limited, Jealott's Hill Inter-
national Research Centre, Bracknell, Berkshire RG42
6EY (GB). **STOCK, David** [GB/GB]; Syngenta Limited,
Jealott's Hill International Research Centre, Brack-
nell, Berkshire RG42 6EY (GB). **HALL, Gavin, John**
[GB/GB]; Syngenta Limited, Jealott's Hill International
Research Centre, Bracknell, Berkshire RG42 6EY (GB).
SUTTON, Peter, Bernard [GB/GB]; Syngenta Limited,

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COMPOSITION COMPRISING A CYCLOHEXANEDIONE HERBICIDE AND AN ADJUVANT

(57) **Abstract:** A novel herbicidal composition comprising a 2-(substituted benzoyl)-1,3- cyclohexanedione and an organic phos-
phate, phosphonate or phosphinate adjuvant at a concentration of less than 0.5% v/v when added to a spray tank as a tank mix additive
or when co-formulated with a herbicide to produce a spray tank concentration of less than 0.5% v/v is disclosed.

WO 03/105589 A1